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JUL 28 2010

July 25, 2010

**Examiner Phong H. Nguyen
United States Patent and Trademark Office
Group Art Unit 3724
USPTO BOX 1450
ALEXANDRIA, VA 22313 USA**

Subject: US Patent Application No. 10/542,259

Sir,

The undersigned (Guirgis) who is the owner of a technology known as the "Resonance-Fatigue Fracturing Technology" (RFFT) which is described in a thesis entitled "Fatigue Crack Propagation in Steel Components at Resonance" (Thesis) and in the following patents: CA2,287,140; US6,644,529; EP1324849; US7,143,915; DE60028835TT2 and US7,497,361, has the opinion that the applicant of US 10/542,259 (Wisniewski) has failed to adhere to the duty of disclosure requirements. The attention of the Examiner is respectfully drawn to the following:

1. Guirgis was directed by a DaimlerChrysler contact person to deal directly with Alfin as one of the major suppliers of DaimlerChrysler after the automaker had indicated to have interest in the RFFT (Attachment A12).
2. Wisniewski and the management of the corporation (Alfin) that owns patents for the same invention in countries other than the USA are well aware of the technical details of the RFFT.
3. The technical details of the RFFT were disclosed to Wisniewski, other staff members and managers of Alfin during a special visit made by Guirgis to Alfin facility in Germany in July of 2001. The visit was arranged by Alfin (Attachments A01 to A04) and was made in acceptance of an invitation from Alfin (Attachments A15 to A18).

4. Following the visit of July 2001, Guirgis remained in contact with Alfing managers as a follow up and to inquire about the result of the tests conducted in order to verify the concept of his invention. During the period that followed the visit of July 2001 until the spring of 2003, Guirgis was continuously informed by the managers of Alfing that the testing program of his technology is still in progress and that the results of conducted tests are not satisfactory (Attachments A05 to A09)
5. On May 22, 2003 Dr. Stefan Hansch, the Managing Director of Alfing, informed Guirgis that based on the result of the tests conducted by Alfing, the company is not interested in the RFFT (Attachment A10). In the mean time, Alfing was filing patent applications to protect its invention, the subject of US10/542,259, in various countries around the world (Attachment A14).
6. It is worth mentioning that while Dr. Stefan Hansch informed Guirgis on February 26, 2003 (attachment A09) that Alfing tests to be delayed due to "problems with our equipment", by that date, Alfing had already filed patent applications, precisely; on February 4, 2003.
7. As was explained earlier in a letter to the Examiner dated June 18, 2010, the undersigned believes that US10/542,259 is basically the same invention as his invention of the RFFT. However, should Wisniewski contend that his invention is a different one, then knowing that many features of his invention are very similar to those of the RFFT, Wisniewski deems obliged to disclose to the Patent Office all information that he was aware of or he becomes aware of during the pendency of his application.
8. In fact while Wisniewski appears meticulous in disclosing relevant prior art by citing publications and patents published in different languages and in different countries, while he is well aware of the Thesis authored by Guirgis, as he requested a permission from Guirgis to make a copy of the Thesis during the visit of July 2001, however; Wisniewski has not disclosed his knowledge of the Thesis to the Patent Office except lately when Guirgis sent the attached letter to Wisniewski's representative on June 6, 2010

(Attachment A13). Knowledge of EP1324849 was not disclosed as well despite being informed that it has been granted (Attachment A11).

9. Wisniewski's invention is based on using fatigue effect to weaken a work piece. In his invention, a fracture plane is predefined and a fracture notch is provided. Fatigue is applied by displacing the-part-to-be relative to the other. Wisniewski uses pre-stressing and impulsive forces to enhance the process. It is the opinion of the undersigned that all of the above-mentioned features are described and utilized in the RFFT and that the differences between the two inventions are created by making modifications which should be obvious to someone who is skilled in the art. For instant, the difference in describing the type of the production part is an obvious one. The work piece may be a plate as shown in Figure 7 of CA2,287,140.

Finally, I wish to thank you for your time and effort. I remain available to provide any further details and to answer any question.

Regards,

Sameh Guirgis

Sameh Guirgis,

Cel. (519) 981-4019

Attachments

List of Attachments

No.	E-mail Messages			Date
	From	To	C.C.	
A01	Manfred Egerer	Sameh Guirgis		2001-07-16
A02	Sameh Guirgis	Manfred Egerer		2001-07-17
	Manfred Egerer	Sameh Guirgis		2001-07-19
A03	Sameh Guirgis	Manfred Egerer		2001-07-19
	Manfred Egerer	Sameh Guirgis		2001-07-20
A04	Sameh Guirgis	Manfred Egerer		2001-07-31
	Manfred Egerer	Sameh Guirgis		2001-07-31
A05	Sameh Guirgis	Manfred Egerer		2001-11-25
	Manfred Egerer	Sameh Guirgis		2001-12-06
A06	Sameh Guirgis	Manfred Egerer		2001-10-12
	Manfred Egerer	Sameh Guirgis		2002-01-29
A07	Horst Wisniewski	Manfred Egerer	Stefan Hansch	2002-03-23
	Manfred Egerer	Sameh Guirgis		2002-03-25
A08	Stefan Hansch	Sameh Guirgis Stefan Hansch	Horst Wisniewski Manfred Egerer	2002-12-16
	Sameh Guirgis	Stefan Hansch		2003-02-12
A09	Stefan Hansch	Sameh Guirgis		2003-02-26
	Sameh Guirgis	Stefan Hansch	Manfred Egerer	2003-02-26
A10	Stefan Hansch	Sameh Guirgis	Manfred Egerer	2003-05-22
A11	Sameh Guirgis	Stefan Hansch		2006-07-03

No.	Description	Date
A12	E-mail From Stanislaw Orciuch, DaimlerChrysler	2001-09-17
A13	Letter to Wolf, Greenfield & Sacks, P.C.	2010-06-06
A14	Alfing's Patent Applications	2003-02-04
A15	Alfing Visitor's Entry Form	2001-07-26
A16	Antik Hotel, Aalen, Germany	2001-07
A17	Train Tickets	2001-07
A18	Taxi Receipts	2001-07-25 & 2001-07-26

From : Manfred Egerer <megerer@alfing-corp.com>
Subject : RE: A Trip to Germany
Date : Mon, 16 Jul 2001 12:11:27 -0400

Hello Sameh

We would like to invite you to our facility on July 25th and 26th. Our management has only 2 days, but they think it is sufficient. We will reimburse you for the travel costs. Please let us know whether this is OK and provide us with your itinerary. We will reserve the hotel

Regards

ALFING CORPORATION

Manfred Egerer

248-442-6567

megerer@alfing-corp.com

<http://www.alfing.com/>

Visit us @ booth 012A60

Sept. 12-19, 2001

A01

From : Manfred Egerer <megerer@alfing-corp.com>
Subject : RE: A Trip to Germany
Date : Thu, 19 Jul 2001 07:47:08 -0400

Hello Sameh

You should present the concept of the patent. It is very important that the Alfin people have a clear understanding of the concept and that they will be able to initiate the necessary testing. There will be 2 - 3 people meeting you. The main contact is Horst Wisniewski. Telefon in Germany is 07361-501-666.

Please send us your itinerary.
ALFING CORPORATION
Manfred Egerer 248-442-6567
megerer@alfing-corp.com
<http://www.alfing.com/>

Visit us @ booth 012A60 Sept. 12-19, 2001

-----Original Message-----

From: Sameh Guirgis [mailto:samehguirgis@hotmail.com] Sent: Tuesday, July 17, 2001 6:59 AM
To: megerer@alfing-corp.com
Subject: A Trip to Germany

Hello Manfred

Thank you for inviting me, yes these dates are fine with me. I will let you know the details once I confirm the booking. Should I expect to make a presentation for the concept of the patent? in this case, approximately how many person would be attending?

Please let me know if there is anything else I should give a special attention in preparing for this visit.

Regards

Sameh Guirgis

A02

Jul 29 10 03:23a

Sameh Guргis

(450)933-4824

p.7

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JUL 28 2010

From : Manfred Egerer <megerer@alfing-corp.com>
Subject : RE: Flight Information
Date : Fri, 20 Jul 2001 09:13:47 -0400

Hello Sameh

We have reserved a hotel room for you at the Hotel Antik in Aalen. You should take the S-train from Stuttgart Airport to Stuttgart and then a regular train from Stuttgart main station to Aalen. The best is to take a cab to the hotel and the company. Mr. Wisniewski is Monday and Tuesday on vacation. In case you need help you should contact Mrs. Dederichs, Telefon 07361-501-314.

Have a good trip!

ALFING CORPORATION

Manfred Egerer 248-442-6567
megerer@alfing-corp.com
<http://www.alfing.com/>

Visit us @ booth 012A60 Sept. 12-19, 2001

-----Original Message-----

From: Sameh Guргis [mailto:samehguргis@hotmail.com]
Sent: Thursday, July 19, 2001 12:34 PM
To: megerer@alfing-corp.com
Subject: Flight Information

Hello Manfred

My flight information are as follows: Cairo Prague July 24 2001 03:25 06:40 flight #271
CZECH AIRLINES Prague Stuttgart July 24 2001 10:20 11:20 flight #4562 Lufthansa
My Return trip: Stuttgart Prague July 29 2001 19:20 20:40 flight #561 Prague Cairo July 29 2001 21:45 02:30 flight #270

Please let me know the details of my stay.

Regards

Sameh Guргis

A03

From : Manfred Egerer <megerer@alfing-corp.com>
To : 'Sameh Guirgis' <samehguirgis@hotmail.com>
Subject : RE: Visiting Alfing Germany
Date : Tue, 31 Jul 2001 11:36:01 -0400

Hello Sam

Thank you for your e-mail. Let us hope that we see positive results.

Tschuess

ALFING CORPORATION

Manfred Egerer

248-442-6567

megerer@alfing-corp.com

<http://www.alfing.com/>

Visit us @ booth 012A60

Sept. 12-19, 2001

-----Original Message-----

From: Sameh Guirgis [mailto:samehguirgis@hotmail.com]

Sent: Tuesday, July 31, 2001 10:56 AM

To: megerer@alfing-corp.com

Subject: Visiting Alfing Germany

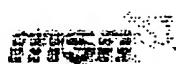
Hello Manfred

Now I am back to Egypt from my visit to Germany. I met Mr. Wisniewski on Wednesday and Thursday of the last week. The meetings were very constructive and he told me that the testing program should start this week. I like to thank you for your effort in arranging this visit, thanks are also due to the people of Alzing in Aalen for their hospitality..

Regards

Sameh Guirgis

A04



Hotmail® samehguirgis@hotmail.com

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From : Manfred Egerer <megeger@alfing-corp.com>
To : 'Sameh Guirgis' <samehguirgis@hotmail.com>
Subject : RE: Status Report
Date : Thu, 6 Dec 2001 11:34:32 -0500

Hello Sameh

Alfing will make the first test on the system this Friday. 12-7. I will let you know next week what the results are.

Regards,

ALFING CORPORATION
Manfred Egerer
24B-442-6567 megeger@alfing-corp.com <http://www.alfing.com/>

-----Original Message-----

From: Sameh Guirgis [mailto:samehguirgis@hotmail.com]
Sent: Sunday, November 25, 2001 2:17 AM
To: megeger@alfing-corp.com
Cc: samehguirgis@hotmail.com
Subject: Status Report

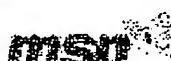
Dear Manfred

Greetings to you and to Mr. Wisniewski.
Please let me know what is the status with Alfing's tests and when should I expect to hear your final decision of whether or not you are interested in my patents.

Regards

Sameh Guirgis

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<http://lw6fd.law6.hotmail.msn.com/cgi-bin/getmsg?curmbox=F000000001&a=19bd1af0ecd8...> 12/6/01

A05

Jul 29 10 03:24a

Sameh Guirgis

(450)933-4824

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Hotmail

Page 1 of 1

Hotmail®

From : Manfred Egerer <megerer@alfing-corp.com>
To : 'Sameh Guirgis' <samehguirgis@hotmail.com>
Subject : RE: Alfig Info
Date : Tue, 29 Jan 2002 15:03:57 -0500

Hello Sameh

We have received a report from Mr. Wisniewski regarding the test status. The test results at the present time are not very encouraging. We have not seen any improvements in the force requirements, the roundness results and in the bolt tightening. The cracked surface is also not acceptable. We are still planning to use a higher frequency before we can give our final results.

Please call in case of questions.

ALFIGING CORPORATION
Manfred Egerer
248-440-6567

-----Original Message-----

From: Sameh Guirgis []
Sent: Friday, October 12, 2001 1:46 AM
To:
Cc:
Subject: Alfig Info

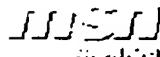
Hello Manfred

I tried to contact you yesterday by phone but you were not there, I wanted to ask you some questions to get some information about Alfiging, since the answers will be of help to me to plan me next steps:

1. I understand that the primary business of Alfiging Sondermaschinen is to build machines for the machine tool industry including the conrod crackers. However, I do not know to what extent that Alfiging is involved in the other aspects of conrods manufacturing, such as forging conrods, or selling completely machined (and fractured) conrods ?
2. I know that you conduct business mainly in Germany and in the USA, but are there other countries in Europe where you conduct a considerable part of your business?

Regards
Sameh Guirgis

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A06



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samehguirgis@hotmail.com

Inbox | Previous Page

From : "Manfred Egerer" <megeger@alfing-corp.com>
To : "Sameh Guirgis (E-mail)" <samehguirgis@hotmail.com>
Subject : FW: Guirgis Patent, Fortführung der Versuche
Date : Mon, 25 Mar 2002 10:21:39 -0500

Hello Sameh

We are still in the testing phase. We found the proper shaker and will continue the test in April.

Tschuess

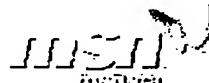
ALFING CORPORATION
 Manfred Egerer
 248-442-6567 megeger@alfing-corp.com http://www.alfing.com/

-----Original Message-----

From: Wisniewski, Horst [mailto:HWisniewski@AKS.Alfing.de]
 Sent: Saturday, March 23, 2002 4:53 AM
 To: Manfred Egerer
 Cc: Hansch, Stefan
 Subject: Guirgis Patent, Fortführung der Versuche

Guten Tag, Herr Egerer, wir haben zwischenzeitlich einen für die Versuche passenden Shaker bei der Fa. Porsche ausfindig gemacht und werden die Versuche nach Anpassung der Vorrichtung im Laufe des April fortsetzen.

Mit freundlichen Grüßen
 Alzing Kessler Sondermaschinen GmbH
 Horst Wisniewski
 Tel. 07361 501 666
 Fax 07361 501 665
 email h.wisniewski@aks.alfing.de



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<http://lw6fd.law6.hotmail.msn.com/cgi-bin/getmsg?curmbox=F000000001&a=f88f30ca83ffd...> 3/25/02

A07

Sameh Guirgis

From: "Sameh Guirgis" <samehguirgis@sympatico.ca>
To: "Hansch, Stefan" <SHansch@AKS.Alfing.de>
Sent: Wednesday, February 12, 2003 10:07 PM
Subject: Re: The Connecting Rods Cracker

Dear Dr. Hansch

I would appreciate it if you inform me with Alfig's decision regarding my invention as soon as you make it whether it is favourable or not.

Regards,
Sameh Guirgis

--- Original Message ---

From: Hansch, Stefan
To: 'Sameh Guirgis' ; Hansch, Stefan
Cc: megerer@alfing-corp.com ; Wisniewski, Horst
Sent: Monday, December 16, 2002 7:00 AM
Subject: AW: The Connecting Rods Cracker

Dear Mr. Guirgis,

thank you for E-mail. In the last two month we made some tests and the results were not ok. Actual we realise some modifications on our test equipment and further test we'll have in week 5/2003. Our final decision we'll make in week 6/2003.

We wish you a Merry Christmas and a Happy New Year.

Regards

Alfig Kessler Sondermaschinen GmbH
Dr. Hansch, Stefan
Geschäftsleitung / Managing Director
mailto:SHansch@aks.alfing.de

A08

7/26/2010

Jul 29 10 03:26a

Sameh Guirgis

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JUL 28 2010

Sameh Guirgis

From: "Hansch, Stefan" <SHansch@AKS.Alfing.de>
To: "Sameh Guirgis" <samehguirgis@sympatico.ca>
Sent: Wednesday, February 26, 2003 3:52 AM
Subject: AW: The Connecting Rods Cracker

Dear Mr. Guirgis,

because of problems with our equipment the final tests will be in week 12. A decision we'll make in week 13.

Best Regards

Alfing Kessler Sondermaschinen GmbH
Dr. Hansch, Stefan
Geschäftsleitung / Managing Director
mailto:SHansch@aks.alfing.de

----Ursprüngliche Nachricht----

Von: Sameh Guirgis [mailto:samehguirgis@sympatico.ca]
Gesendet: Mittwoch, 26. Februar 2003 04:13
An: Hansch, Stefan
Cc: megerer@alfing-corp.com
Betreff: Re: The Connecting Rods Cracker

Dear Dr. Hansch

I have been expecting to hear from you regarding my invention by the end of the 6th week of this year as you have informed me in an earlier e-mail; however, it seems that Alfing has not made a decision yet. In fact, the invention is still in the international phase of the PCT and is protected in all contracting states; however, the international phase ends by April 9, 2003 in some countries and by May 9, 2003 in others and I have to decide soon in which countries I should continue to protect the invention and which company should be on my side through the process of extending the protection of the patent in different countries. As you can see there is a little time left.

I understand it maybe hard for Alfing to make a decision while it has not completed its testing of the invention yet, but if the invention is not useful, **why DaimlerChrysler has obtained a license?**

The situation is as follows:

1. Right now a patent has been issued in Canada and another one has been allowed in the USA and will be issued soon.
2. A worldwide non-exclusive license has been issued to DaimlerChrysler AG in September of 2002.

My intention is to create strong ties with a stable industrial partner such as Alfing so that should such an agreement be executed between us, Alfing would have interest as great as mine in protecting and commercializing the new technology. Therefore, I accept to issue a license to Alfing for a limited duration that excludes all other companies (except DaimlerChrysler AG) from using the invention. At the end of the term of that contract it would be possible to extend it if Alfing wishes to do so and I would be satisfied that there is an intention to use the invention.

Please respond to me at your earliest whether by acceptance or refusal. Time is running out.

Regards,
Sameh Guirgis

| — Original Message —

A09

7/26/2010

From: Hansch, Stefan
To: 'Sameh Guirgis'; Hansch, Stefan
Cc: ; Wisniewski, Horst
Sent: Monday, December 16, 2002 7:00 AM
Subject: AW: The Connecting Rods Cracker

Dear Mr. Guirgis,

thank you for E-mail. In the last two month we made some tests and the results were not ok. Actual we realise some modifications on our test equipment and further test we'll have in week 5/2003. Our final decision we'll make in week 6/2003.

We wish you a Merry Christmas and a Happy New Year.

Regards

Alfing Kessler Sondermaschinen GmbH
Dr. Hansch, Stefan

Geschäftsleitung / Managing Director
<mailto:SHansch@aks.alfing.de>

7/26/2010

Sameh Guirgis

From: "Hansch, Stefan" <SHansch@AKS.Alfing.de>
To: "Sameh Guirgis" <samehguirgis@sympatico.ca>
Cc: "Manfred Egerer (E-Mail)" <megerer@alfing-corp.com>
Sent: Thursday, May 22, 2003 5:18 AM
Subject: AW: The Connecting Rods Cracker

Dear Mr. Guirgis,

based on our test results we're not interested in using your patent.

Best Regards

Dr. Stefan Hansch
Geschäftsleitung / Managing Director

Alfing Kessler Sondermaschinen GmbH
Auguste-Kessler-Strasse 20
D-73433 Aalen

Postfach 3103, D-73413 Aalen
 +49 (0)7361 501-2021, +49 (0)7361 501-852

<mailto:shansch@aks.alfing.de>
<http://www.alfing.de>

----Ursprüngliche Nachricht----

Von: Sameh Guirgis [mailto:samehguirgis@sympatico.ca]
Gesendet: Mittwoch, 26. Februar 2003 04:13
An: Hansch, Stefan
Cc: megerer@alfing-corp.com
Betreff: Re: The Connecting Rods Cracker

Dear Dr. Hansch

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2. A worldwide non-exclusive license has been issued to DaimlerChrysler AG in September of 2002.

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7/26/2010

A 10

commercializing the new technology. Therefore, I accept to issue a license to Alfin for a limited duration that excludes all other companies (except DaimlerChrysler AG) from using the invention. At the end of the term of that contract it would be possible to extend it if Alfin wishes to do so and I would be satisfied that there is an intention to use the invention.

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Regards,
Sameh Guirgis

---- Original Message ----

From: Hansch, Stefan
To: 'Sameh Guirgis' ; Hansch, Stefan
Cc: Wisniewski, Horst
Sent: Monday, December 16, 2002 7:00 AM
Subject: AW: The Connecting Rods Cracker

Dear Mr. Guirgis,

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We wish you a Merry Christmas and a Happy New Year.

Regards

Alfin Kessler Sondermaschinen GmbH
Dr. Hansch, Stefan
Geschäftsleitung / Managing Director
mailto:SHansch@aks.alfing.de

7/26/2010

Sameh Guirgis

From: "Sameh Guirgis" <samehguirgis@sympatico.ca>
To: "Stefan Hansch" <SHansch@AKS.Alfing.de>
Sent: Monday, July 03, 2006 11:23 PM
Subject: The Resonance Fatigue Fracturing Technology

Dear Dr. Hansch

In 2001 I visited Alfing to introduce the Resonance-Fatigue Fracturing Technology, which is licensed to DaimlerChrysler. Recently, a European patent ([EP1324849](#)) has been issued for the technology. If Alfing is interested in this technology, you are welcomed to contact me.

Regards,
Sameh Guirgis

All

7/26/2010

Jul 29 10 03:28a

Sameh Guirgis

(450)933-4824

p.18

Hotmail

Page 1 of 1



Hotmail® samehguirgis@hotmail.com

Inbox | Previous Page

From : <stanislaw.orciuch@daimlerchrysler.com>
To : samehguirgis@hotmail.com
Subject: Your Patent
Date : Mon, 17 Sep 2001 14:17:20 +0200

Hello Mr. Guirgis.

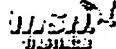
Thanks a lot for you call and sorry that I couldnt respond your call earlier. I cant say much about the progress at Alffing and Krausse Mauser at the moment. Concerning your request i cant say very much. I talked to Mr. Wischniewski at Alffing and he told me that the equipment for tests is allready finished and Alffing expect the first results in the next month.

At Krause Mauser are they still interested at your patent. The first results are successfull but we have to wait for the finally results. I suggest that you ask Mr. Wischniewski at Alffing Phone 0049 7361 501666 and Mr. Wolff Phone 0049 7423922345 at Krause Mauser for more details.

Hope to hear from you again.

Stanislaw Orciuch

Daimler Chrysler AG
Werk Untertürkheim
Abt.: EMO/TK HPC E323
Tel.: (+49)711/17-22748
Fax: (+49)711/17-52086
mail to: stanislaw.orciuch@daimlerchrysler.com



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<http://lw6fd.law6.hotmail.msn.com/cgi-bin/getmsg?curmbox=F000000001&a=aa3c1dc3f6165...> 6/6/02

A 12

PAGE 18/28 * RCVD AT 7/29/2010 3:20:18 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/42 * DNIS:2738300 * CSID:450 933 4824 * DURATION (mm:ss):11-38

Jul 29 10 03:28a

Sameh Guirgis

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Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210-2206
USA

Sirs,

The undersigned believes that there are citations in the literature that should have a bearing on the patentability of the claimed subject matter of US patent application number 10/542,259 which is entitled "Method and Device for Cracking Disk-Like or Plate-Like Production Parts." Please review a thesis entitled "Fatigue Crack Propagation in Steel Components at Resonance" which has been available to the public well before the priority date of the referred to above patent application at the Leddy Library, University of Windsor, Windsor, Ontario, Canada, N9B 3P4. Please review as well the following patents: European Patent number EP1324849, Canadian Patent Number 2,287,140, U.S. Patents numbers 6,644,529; 7,143,915 and 7,497,361.

Regards,

Sameh Guirgis

Sameh Guirgis

A13

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Sameh Guirgis

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p.20

TRANSMISSION VERIFICATION REPORT

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PAGE(S)	01
RESULT	OK
MODE	STANDARD ECM

June 6, 2010

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600 Atlantic Avenue
Boston, MA 02210-2206
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5) Family number: 30774212 (US2006138259A)

Title: Method and device for cracking disk-like or plate-like production parts

Abstract:

Source: US2006138259A The aim of the invention is to provide a novel machining method, which is particularly suited for cracking disk-shaped or plate-shaped production parts, and to provide a device suited for carrying out this method. To this end, the invention provides that the respective production part is cracked on both sides of the rupture plane between chuck jaw pairs. Afterwards, the chuck jaw pairs are displaced relative to one another by the action of force so that the production part, along the rupture plane, is subjected to a tensile stress alternately on the upper side and underside.

International class (IPC 8-9): B02C11/06 B23D31/00 B23P17/00 B26F3/00 (Advanced/Invention);
B02C11/00 B23D31/00 B23P17/00 B26F3/00 (Core/Invention)

International class (IPC 1-7): B23D31/00

European class: B23D31/00C2

US class: 241/31

Family:	Publication number	Publication date	Application number	Application date
	AT361805 E	20070615	AT20030002405T	20030204
	BRPI0407026 A	20060110	BR2004PI07026	20040114
	CA2513108 AA	20040819	CA20042513108	20040114
	CN100467178 C	20090311	CN200480003430	20040114
	CN1747808 A	20060315	CN200480003430	20040114
	DE202004021659 U1	20091126	DE200420021659U	20040114
	DE50307233 D1	20070621	DE20035007233	20030204
	EP1445053 A1	20040811	EP20030002405	20030204
	EP1445053 B1	20070509	EP20030002405	20030204
	EP1590121 A1	20051102	EP20040701928	20040114
	ES2284988 T3	20071116	ES20030002405T	20030204
	JP2006516486 T2	20060706	JP20060501543T	20040114
	KR20050100652 A	20051019	KR20057014293	20050803
	MXPA05008174 A1	20051006	MX2005PA08174	20050729
	US2006138259 AA	20060629	US20050542259	20051230
	WO04069458 A1	20040819	WO2004EP00207	20040114

Priority: EP20030002405 20030204 EP20040701928 20040114 WO2004EP00207 20040114

Cited documents: US5218762, US2002162205, DE4406981, DE3802141, CA2287140,

Assignee(s): (std): KESSLER KG MASCHF ; WISNIEWSKI HORST ; KESSLER MASCHF KG ; ALFING KESSLER SONDERMASCHINEN GMBH ; ALFING KESLER SONDERMASCHINEN

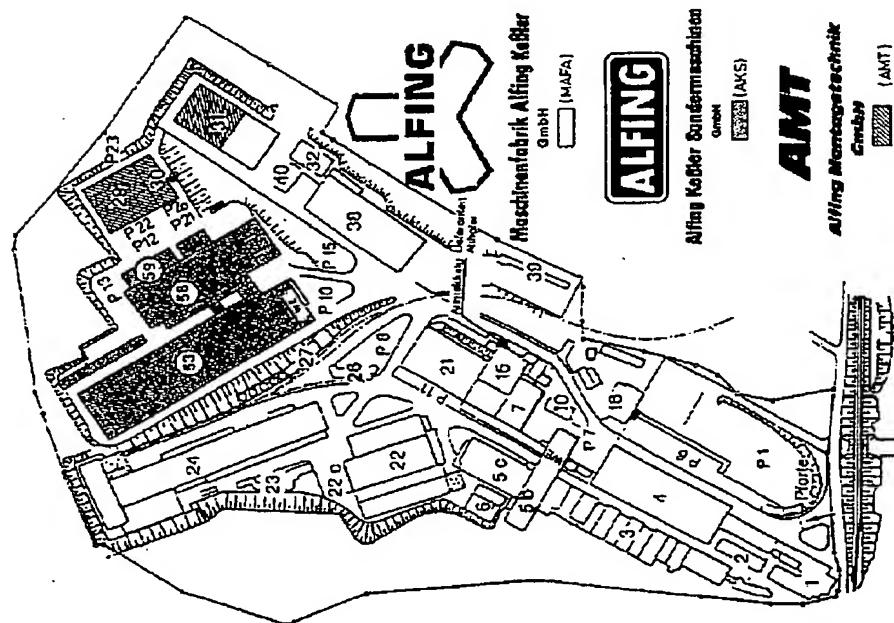
Assignee(s): ALFING KESLER SONDERMASCHINEN GMBH

Inventor(s): (std): HORST WISNIEWSKI ; WISNIEWSKI HORST

Agent(s): WOLF GREENFIELD AND SACKS, PC, FEDERAL RESERVE PLAZA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

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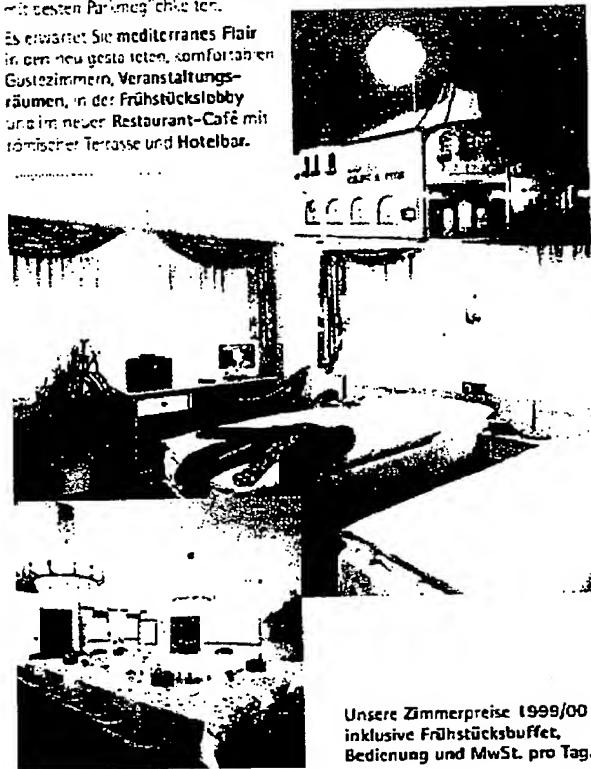
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TO Stuttgart Flughafen

STATION	TIME	PLATFORM	TRAIN	REMARK
Aalen	dp 11:35		2	RE 19424
Waiblingen	ar 12:25		6	
Stuttgart Flughafen	dp 12:40	5	S	2 a)
	ar 13:22			

Please note that platform numbers may change !

Sun 29.07.01, duration: 1:47, daily
 Normal one-way fare (without reduction): 28,00/ 42,00 DEM(2nd/1st Cl.)
 via: SGM*WN*S
 Auskunft durch: DBAG

4NNN

STATION	TIME	PLATFORM	TRAIN	REMARK
Aalen	dp 12:35		2	RE 19426
Waiblingen	ar 13:25		5	
Stuttgart Flughafen	dp 13:40	5	S	2 a)
	ar 14:22			

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 Normal one-way fare (without reduction): 28,00/ 42,00 DEM(2nd/1st Cl.)
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STATION	TIME	PLATFORM	TRAIN	REMARK
Aalen	dp 13:35		2	RE 19428
Stuttgart-Bad Cannst	ar 14:33		6	
Stuttgart Flughafen	dp 14:51	2	S	2 a)
	ar 15:22			

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Booking office Aalen

Request dated 28.07.01, 10:37 K00578

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 24.07.01 27.07.01

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p.25

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		Stuttgart Flughafen	->Aalen			2

über:
 S*WN*SGM

8835

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 27.07.01 27.07.01

1	Erwachsene(r)
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		Stuttgart	->Aalen			2

über:
 WN*SGM

Erm -----

Preis DEM ***20,20

024750950
 02475095-62

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290379568 Stuttgart
 27.07.01 Hbf

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 14:52

DB EINFACHE FAHRT

FAHRSCHEIN

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 29.07.01 01.08.01

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--	Kind(er)

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über:
 SGM*WN*S

8832
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 0151244-92

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